

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

341
03
p. 2



U.S. DEPARTMENT OF AGRICULTURE
NATIONAL BUREAU OF SOIL CONSERVATION

JUN 2 - 1965

SOIL CONSERVATION SERVICE

WATER SUPPLY OUTLOOK and **FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS** for **WYOMING**

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, and other Federal, State and private organizations.

AS OF
MAY 1, 1965

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Soil Conservation Service, 511 N.W. Broadway - Room 507, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
<u>RIVER BASINS</u>			
WESTERN UNITED STATES _____	MONTHLY (FEB.-MAY) _____	PORTLAND, OREGON _____	ALL COOPERATORS
BASIC DATA SUMMARY _____	OCTOBER 1 _____	PORTLAND, OREGON _____	ALL COOPERATORS
<u>STATES</u>			
ALASKA _____	MONTHLY (MAR.-MAY) _____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY _____ (JAN. 15 - APR. 1)	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY) _____	FORT COLLINS, COLORADO _____	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE) _____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE) _____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY) _____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE) _____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE) _____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE) _____	SPOKANE, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE) _____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

FEDERAL STATE COOPERATIVE
SNOW SURVEYS AND WATER FORECASTS
FOR
WYOMING

Issued
May 1, 1965

Report Prepared
by
George W. Peak
Snow Survey Supervisor
and
Tommy A. George
Assistant Snow Survey Supervisor

Soil Conservation Service
345 East 2nd Street
P. O. Box 340
Casper, Wyoming 82602

Issued by

B. H. Hopkins
State Conservationist
Soil Conservation Service
Casper, Wyoming

Floyd Bishop
State Engineer of Wyoming
Capitol Building
Cheyenne, Wyoming

WATER SUPPLY OUTLOOK

FOR
WYOMING

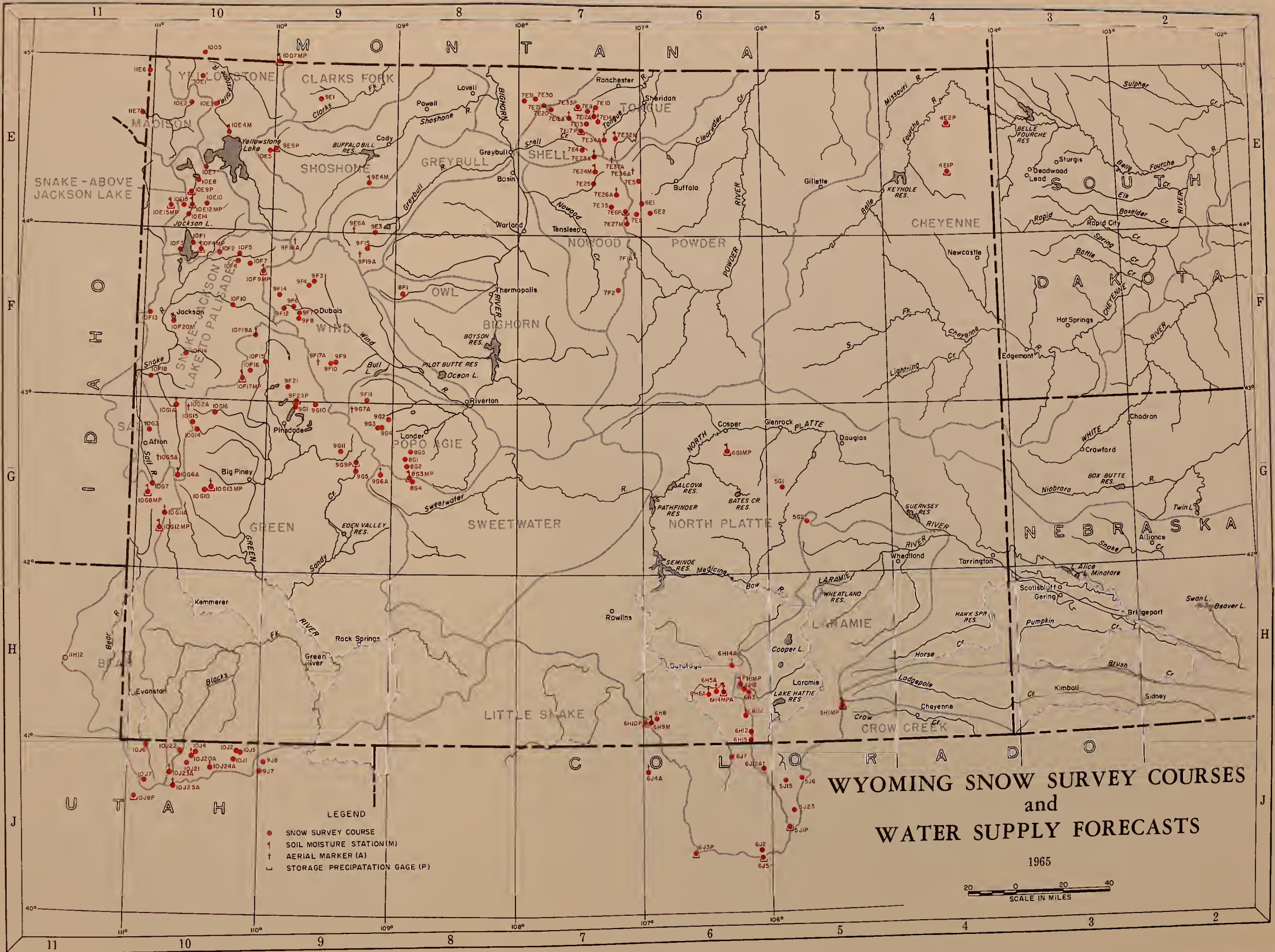
May 1, 1965

During the past month, close to the expected average number of storms occurred over most of Wyoming's watersheds. However, the amount of alpine and sub-alpine snow pack evaporation for April was considerably less than anticipated. Consequently, the forecasts over the State have been revised upward.

Extremely heavy flows, higher than any recorded in the period of record, will be discharged from the Smith's Fork, Thomas Fork, and Salt and Grey's River watersheds.

Similarly, volume and peak flows on the tributaries of the Green River will be extremely high.

The balance of the State's snow pack is a little less, but excellent water supplies are expected in all areas even though subsequent summer precipitation should prove to be less than normal.



INDEX TO WYOMING SNOW COURSES

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATION			RECORD BEGAN	MEAS. ^a DATES	MEAS. ^b BY	DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATION			RECORD BEGAN	MEAS. ^a DATES	MEAS. ^b BY	DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATION			RECORD BEGAN	MEAS. ^a DATES	MEAS. ^b BY	
			SEC. LAT.	TWP.	RANGE LONG.							SEC. LAT.	TWP.	RANGE LONG.							SEC. LAT.	TWP.	RANGE LONG.				
MISSOURI RIVER DRAINAGE									MISSOURI RIVER DRAINAGE									COLORADO RIVER DRAINAGE									
Modison River									Porcupine Creek									Green River above Green River									
Norris Basin	10E2	7500	44° 44'		110° 42'	1936	2,3,4,5,	2	Five Springs Falls	7E31	7500	19	56N	92W	1956	2,3,4,5	1	Big Sandy Opening	909P	9220	17	31N	104W	1961	2,3,4,5	1,4	
21 Mile m	11E6	7150	1	11S	5E	1934	1,2,3,4,5	1	Medicine Wheel	7E30	9000	24	56N	92W	1956	2,3,4,5	1,6	Blind Bull Summit	10G2A	8750	6	34N	115W	1948	2,3,4	1	
West Yellowstone m	11E7	6700	34	13S	5E	1934	1,2,3,4,5	1										Dutch Joe R.S.	9G5	8700	32	31N	104W	1936	2,3,4,5	1,4	
Yellowstone									Tongue River																		
Canyon	10E3	7750	44° 44'		110° 30'	1938	1,2,3,4,5	1	Beaver-Tongue Oivide	7E20	9200	12	55N	91W	1956	2,3,4,5	1,6	Elk Heart Park G.S.	9F23P	9400	16	35N	103W	1961	2,3,4,5	1,4	
Crevice Mountain m	10D5	8400	22	9S	9E	1935	3,4	4	8ig Goose #2	7E32M	7700	4	53N	86W	1955	2,3,4,5	1,6	Gros Ventre	10F19A	8750	36	40N	111W	1948	2,3,4,5	1,4	
East Entrance	9E5MP	7000	44° 29'		110° 00'	1948	1,2,3,4,5	2	Bone Spring Divide	7E18A	9200	32	55N	89W	1956	2,3,4,5	1,6	Kendall R.S. #2	10F15	7900	23	38N	110W	1961	2,3,4,5	1,4	
Lake Camp #2	10ELM	7850	44° 34'		110° 24'	1937	1,2,3,4,5	1	Surgess R.S. #2	7E33P	7900	36	56N	89W	1955	2,3,4,5	1,6	Loomis Park #2	10F16	8500	14	37N	111W	1960	2,3,4,5	1,4	
Lupine Creek	10EL	7300	44° 54'		110° 37'	1938	1,2,3,4,5	2	Dome Lake #2	7E34A	8800	11	53N	87W	195Q	2,3,4,5	1,6	Mulligan Park	9G1	8900	28	35N	108W	1936	2,3,4,5	1,4	
Northeast Entrance	10D7MP	7400	33	9S	14E	1937	1,2,3,4,5	2	Geneva Pass	7E37A	10600	30	52N	86W	1961	2,3,4,5	1	New Fork Lake	9F21	8325	11	36N	109W	1961	2,3,4,5	1,4	
Thumb Divide	10E7	7900	44° 22'		110° 35'	1946	2,3,4	5	Gloom Creek	7EL4A	9300	32	55N	87W	1956	2,3,4,5	1,6	North Horse Creek	10G16	8200	12	34N	114W	1961	2,3,4,5	1,4	
Sylvan Pass	10E5	7100	44° 28'		110° 02'	1936	1,2,3,4,5	2	Granite Pass	7EL7P	8950	19	54N	88W	1956	2,3,4,5	1,6	Piney LaSarge #2	10G10	8820	19	29N	114W	1959	2,3,4,5	1,4	
Clark's Fork									Powder River									Green River below Green River									
Lodgepole	9EL	8200	32	56N	106W	1940	2,3,4,5	1,4	Sibley Lake	7EL1	8000	10	55N	87W	1956	2,3,4,5	1,6	Hickerson Park u	9J8	9100	24	2N	17E	1961	3,4,5	1	
									Steamboat Point	7ELO	7500	32	56N	87W	1956	2,3,4,5	1,6	Hole-in-the-rock u	10J1	9150	13	2N	15E	1931	4	1	
									Sucker Creek	7EL2A	9000	19	55N	87W	1956	2,3,4,5	1,6	Hole-in-the-rock GS u	10J3	8300	32	3N	16E	1954	4		
									Wood Rock G.S.	7EL3	8500	3	54N	88W	1956	2,3,4,5	1,6	Kelley R.S.	10G12MP	8200	13	26N	118W	1951	2,3,4,5	1,4	
Wind River									Laramie River																		
Big Warm	9F12	8800	36	42N	109W	1955	2,3,4,5	1	Bear Trap	7F1A	8000	10	45N	85W	1960	2,3,4,5	1	Steel Creek Park u	10J20A	9900	8	2N	13E	1962	2,3,4,5	1	
Burroughs Creek	9F4	8800	15	43N	107W	1948	2,3,4,5	1	Clouds Peak	7E36A	10000	15	51N	85W	1960	2,3,4	1	Spirit Lake u	9J7	10300	10	1N	17E	1961	3,4,5	1	
Dinwoodie	9F10	10000	8	3N	6W	1948	2,3,4,5	1,3	Middle Powder	7F2	7400	16	43N	86W	1960	2,3,4,5	1	Trial Lake u	10J8P	9800	5	2S	9E	1931	1,2,3,4,5	1	
Oinwoodie Glaciers	9F17A	10500	43°16'		109°38'	1959	2,3,4	1	Muddy Creek G.S.	6E2	7800	2	48N	84W	1956	2,3,4,5	1										
Dry Creek	9F9	9500	10	3N	6W	1948	2,3,4,5	1,3	Munkres Pass	7E8	9700	11	48N	85W	1950	2,3,4,5	1										
DuNoir	9F6	8750	27	42N	108W	1940	2,3,4,5	1	Onion Gulch	7E27M	8100	31	48N	85W	1956	2,3,4,5	1										
Geyser Creek	9F7	8500	12	41N	108W	1948	2,3,4,5	1	Powder River Pass	7E6P	8200	1	48N	86W													
Little Warm	9F8	9500	24	41N	108W	1948	2,3,4,5	1	Soldier Park	7E5	8700	36	51N	85W	1950	2,3,4,5	1,6										
Sheridan R.S. #2	9F14	7500	3	42N	109W	1955	2,3,4,5	1	Sour Dough	6E1	8500	17	49N	84W	1936	2,3,4,5	1,6										
T-Cross Ranch	9F3	8000	1	43N	107W	1940	2,3,4,5	1																			
Togwotee Pass	10F9MP	9600	29	44N	110W	1936	2,3,4,5	5																			
Popo Agie River									Sweetwater																		
Blue Ridge	8G2	9500	23	31N	101W	1939	2,3,4,5	1	Grannier Meadows	8G4	9000	19	30N	100W	1937	2,3,4,5	1										
Bruce's Camp	8G5	6500	24	32N	101W	1955	2,3,4	1	Larsen Creek	9G6A	9000	12	30N	103W	1949	2,3,4,5	1										
Hobbs Park	9G3	10000	22	2S	3W	1948	2,3,4,5	1,3	South Pass	8G3MP	9000	13	30N	101W	1939	2,3,4,5	1										
									Crow Creek																		
Mosquito Park R.S.	9G4	9500	23	2S	3W	1940	2,3,4,5	1																			
Sawmill Glade	8G1	8500	3	31N	101W	1939	2,3,4,5	1	Brooklyn Lake #2	6H1MP	10200	11	16N	79W	1956	2,3,4,5	1										
South Pass	8G3MP	9000	13	30N	101W	1939	2,3,4,5	1	Cameron Pass c	5J1P	10285	2	6N	76W													
St. Lawrence R.S.	9F11	9000	26	1N	4W	1940	2,3,4,5	1,3	Deadman Hill c	5J6	10200	26	10N	75W	1937	3,4,5	1										
Trout Creek	9G2	8400	5	2S	2W	1948	2,3,4,5	1,3	Evans	6H15	9000	4	12N	78W	1960	2,3,4,5	1										
Twenty Lakes	9G7A	10500	22	1S	5W	1959	2,3,4	1	Foxpark	6H12	9200	21	13N	78W	1936	2,3,4,5	4										
Owl Creek									North Platte									COLUMBIA RIVER DRAINAGE									
Owl Creek	8F1	8700	36	43N	101W	1948	2,3,4,5	1	Hairpin Turn #3	6H2	9500	24	16N	79W	1936	2,3,4,5	1										
									Libby Lodge #2	6H3	8700	29	16N	78W	1936	2,3,4,5	1										
									Lost Lake c	5J23	9300	32	8N	75W													
									McIntyre c	5J15	9100	35	10N	76W	1949	2,3,4,5	1										
									Pole Mountain #2	5H1MP	8700	35	15N	72W	1936	2,3,4,5	1										
									Roach c	6J12A	9800	5	10N	77W	1940	2,3,4,5	1										
Greybull River									Crow Creek									Snake River Basin (Above Jackson Lake)									
Absaroka Oivide	9E6A	10000	28	47N	104W	1961	2,3,4	1																			
Kirwin 9	9F19A	11000	13	45N	104W	1960	2,3,4	1																			
Wood River #2	9F15	8000	28	46N	103W	1956	2,3,4,5	1																			
Timber Creek #2	9E3	8800	25	47N	103W	1955	2,3,4,5	1																			
Shoshone River									Crow Creek																		
Carter Mountain	9ELM	7800	15	50N	103W	1957	1,2,3,4	1																			
East Entrance	9E5P	7000	44° 29'		110° 00'	1948	1,2,3,4,5	1																			
Sylvan Pass	10E5	7100	44° 28'																								

WYOMING STREAM-FLOW FORECASTS - May 1, 1965

BASIN AND TRIBUTARY	April 1 - September 30 (REVISED)			
	Seasonal Stream-Flow in Thousands of Acre Feet			
	Forecast Runoff	% 15-Year Average	Measured Runoff 1963	1948-62 Average
YELLOWSTONE RIVER				
Yellowstone Lake Outlet (at)	1000	126%	805	793
MADISON RIVER				
West Yellowstone (at)	247	119%	209	208
SNAKE RIVER				
Moran (at) (1)	1030	119%	769	865
Ab. Reservoir nr. Alpine	3120	120%	2293	2600
GREY'S RIVER				
Palisades ab. Reservoir	595	155%	307	383*
SALT RIVER				
Etna ab. Reservoir	550	166%	280	331*
WIND RIVER				
Dubois (near)	137	137%	98	100
BULL LAKE CREEK				
Lenore (near)	221	125%	188	177
NORTH POPO AGIE				
Milford (near)	105	135%	93	78
LITTLE POPO AGIE				
Lander (near)	58	138%	52	42
TENSLEEP CREEK				
Tensleep (near)	99	138%	83	72
MEDICINE LODGE CREEK				
Hyattville (near)	33.4	165%	22	20.2
SHELL CREEK				
Shell (near)	84	133%	75	63
SHOSHONE RIVER				
Buffalo Bill Dam (below) (2)	1020	127%	877	805
CLARK'S FORK				
Chance (at)	690	118%	593	583

THE JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE

Published by the Royal Anthropological Institute, 21, BEDFORD SQUARE, LONDON, W.C.2.

Subscription price, 10s. 6d. per annum in advance. Single copies, 2s. 6d. per copy. The price of the Journal is the same for all subscribers, whether they are in the United Kingdom or elsewhere. The price of the Journal is the same for all subscribers, whether they are in the United Kingdom or elsewhere.

Advertisements are accepted for insertion in the Journal. The price of advertising is 1s. per line per week. The price of advertising is 1s. per line per week.

CONTENTS				
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86
87	87	87	87	87
88	88	88	88	88
89	89	89	89	89
90	90	90	90	90
91	91	91	91	91
92	92	92	92	92
93	93	93	93	93
94	94	94	94	94
95	95	95	95	95
96	96	96	96	96
97	97	97	97	97
98	98	98	98	98
99	99	99	99	99
100	100	100	100	100

WYOMING STREAM-FLOW FORECASTS - May 1, 1965

BASIN AND TRIBUTARY	April 1 - September 30 (REVISED)			
	Seasonal Stream-Flow in Thousands of Acre Feet			
	Forecast Runoff	% 15-Year Average	Measured Runoff	
			1963	1948-62 Average
GREEN RIVER Warren Bridge (at)	510	156%	405	326
NORTH PINEY CREEK Mason (at)	60	158%	32	38
NEW FORK RIVER Boulder (near)	370	162%	193	228
GREEN RIVER Fontenelle (near)	1620	176%	748	920
BIG SANDY CREEK Big Sandy (near)	81	155%	58	52
LITTLE SANDY CREEK Elkhorn (near)	18.8	145%	13	13
GREEN RIVER Green River (at)	1700	175%	784	970*
LITTLE SNAKE Dixon (at)	400	136%	156	295
BEAR RIVER Utah-Wyo. State Line (near)	155	135%	90	115
SMITH'S FORK Border (near)	185	165%	95	112
THOMAS FORK Idaho-Wyo. State Line	59	164%	23	36*
NORTH PLATTE RIVER Northgate (at)	353	138%	146	261
ENCAMPMENT RIVER Encampment (near)	185	131%	98	141
NORTH PLATTE RIVER Saratoga (at)	863	134%	397	643

WYOMING STREAM-FLOW FORECASTS - May 1, 1965

BASIN AND TRIBUTARY	April 1 - September 30 (REVISED)			
	Seasonal Stream-Flow in Thousands of Acre Feet			
	Forecast	% 15-Year	Measured Runoff	
	Runoff	Average	1963	1948-62 Average
MEDICINE BOW RIVER Hanna (near)	92	109%	58	84
DEER CREEK (March-July) Glenrock (at)	21	91%	17.4	23.2
LARAMIE RIVER Jelm (near) (3)	123	110%	51	112

All stream data taken from observed flow records with the following exceptions:

- (1) Observed flow corrected for Jackson Lake Storage.
 - (2) Observed flow corrected for Buffalo Bill Storage and Heart Mountain Diversion.
 - (3) Observed flow corrected for Transbasin Diversions.
- * Average does not contain 15 years of record in the 1948-62 period.

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1965

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			Date of Survey	1965		PAST RECORD		
				Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
						1964	1963	1948-62 Average
<u>MADISON RIVER - YELLOWSTONE PARK</u>								
Norris Basin ‡	10E2	7500	5/3	24	10.1	13.0	10.9	5.5*
21 Mile ^m	11E6	7150	4/28	55	24.9	18.6	11.2	14.9
West Yellowstone ^m	11E7	6700	4/28	27	11.7	8.3	4.6	5.6
<u>UPPER YELLOWSTONE - YELLOWSTONE PARK</u>								
Canyon	10E3	7750	4/30	53	24.7	16.0	14.5	13.5*
East Entrance ‡	9E5MP	7000	5/2	11	2.7	4.7	7.2	3.6*
East Entrance #2	9E5MP	7000	5/2	8	3.2			
Lake Camp #1	10E4	7850	4/29	39	14.0	8.5	6.9	8.1
Lake Camp #2	10E4	7850	4/29	36	13.4	7.0	5.5	6.6*
Lupine Creek	10E1	7300	5/3	24	8.2	8.2	8.7	7.7*
Norris Basin ‡	10E2	7500	5/3	24	10.1	13.0	10.9	5.5*
Northeast Entrance	10D7MP	7400	5/1	24	10.3	8.2	7.2	6.2
Sylvan Pass ‡	10E5	7100	5/1	39	15.2	11.1	12.6	10.6*
<u>LOWER YELLOWSTONE - CLARK'S FORK</u>								
Lodgepole	9E1	8200	4/29	38	12.1	11.3	11.0	10.7a
<u>LOWER YELLOWSTONE - WIND RIVER</u>								
Big Warm	9F12	8800	4/25	34	10.8	8.8	8.4	7.3*
Burroughs Creek	9F4	8800	4/27	66	23.6	11.0	15.1	14.4*
Dinwoodie	9F10	10000	4/28	56	17.4	11.2	12.8	14.2*
Dry Creek	9F9	9500	4/28	33	8.7	6.6	8.2	7.5*
DuNoir	9F6	8750	4/25	34	11.8	9.0	8.7	7.0
Geyser Creek	9F7	8500	4/26	30	9.2	6.0	7.1	5.7*
Little Warm	9F8	9500	4/26	72	25.9	16.1	16.5	19.9*
Sheridan R.S. #2	9F14	7500	4/25	18	5.8	4.3	6.6	3.4*
T-Cross Ranch	9F3	8000	4/27	29	9.8	2.8	2.9	3.9
Togwotee Pass ‡	10F9MP	9600	4/29	92	44.0	33.4	31.7	33.7
<u>LOWER YELLOWSTONE - OWL CREEK</u>								
Owl Creek	8F1	8700	4/23	29	9.3	9.6	10.1	7.7*

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1965

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			Date of Survey	1965				
				Snow Depth (In.)	Water Content (In.)	PAST RECORD		
						Water Content (In.)		
						1964	1963	1948-62 Average
LOWER YELLOWSTONE - POPO AGIE RIVER								
Blue Ridge	8G2	9500	5/2	53	18.7	14.5	12.5	12.1
Hobb's Park	9G3	10000	4/30	70	25.4	23.7	19.1	20.6*
Mosquito Park R.S.	9G4	9500	4/30	36	11.9	11.9	10.8	8.3*
Sawmill Glade	8G1	8500	5/3	23	8.5	11.5	8.5	6.1
South Pass :	8G3MP	9000	5/2	57	21.4	15.1	15.4	14.5
St. Lawrence R.S.	9F11	9000	4/29	35	11.4	8.8	8.8	6.8a
Trout Creek	9G2	8400	4/30	Trace		7.6	4.1	2.6*
LOWER YELLOWSTONE - GREYBULL RIVER								
Timber Creek #2	9E3	8800	4/26	21	6.9	6.5	6.6	3.6*
Wood River #2	9F15	8000	4/27	34	10.9	7.5	7.3	5.3*
LOWER YELLOWSTONE - SHOSHONE RIVER								
Carter Mountain	9E4M	7800	4/25	24	7.4	9.4	9.2	6.7*
East Entrance :	9E5MP	7000	5/2	11	2.7	4.7	7.2	3.6*
Northeast Entrance	10D7MP	7400	5/1	24	10.3	8.2	7.2	6.2
Sylvan Pass :	10E5	9200	5/1	39	15.2	11.1	12.6	10.6*
Togwotee Pass :	10F9MP	9600	4/29	92	44.0	33.4	31.7	33.7
LOWER YELLOWSTONE - NOWOOD CREEK								
Cold Springs Camp	7E25	8700	4/28	38	12.1	9.1	10.2	6.8*
Medicine Lodge Lakes	7E24M	9500	4/28	60	21.1	15.8	15.9	12.2*
Middle Powder :	7F2	7400	4/29	49	17.3	23.4	17.9	11.9*
Munkres Pass :	7E8	9700	5/3	44	12.6	15.2	12.4	9.6*
Onion Gulch :	7E27M	8100	5/1	36	12.1	12.7	9.3	9.3*
Tyrell R.S.	7E35	8300	4/30	34	11.4	10.9	11.6	7.4*
West Tensleep Lake	7E26A	9075	4/30	50	17.3	13.8	12.8	11.6*
LOWER YELLOWSTONE - SHELL CREEK								
Bald Mountain :	7E21M	9600	4/25	92	34.7	32.4	27.9	24.2*
Beaver Tongue :	7E20	9200	4/26	91	32.5	25.1	22.9	21.4*
Bone Spring Divide :	7E18A	9200	4/27	81	27.8	21.8	22.8	20.1*a
Granite Pass :	7E17P	8950	4/27	77	26.4	21.0	19.5	19.6*
Ranger Creek	7E4	8800	4/24	44	15.2	11.5	12.9	7.5*
Shell Creek	7E23A	9600	4/24	72	24.2	19.2	21.4	16.3*

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1965

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1965			PAST RECORD		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
						1964	1963	1948-62 Average
<u>LOWER YELLOWSTONE - TONGUE RIVER</u>								
Beaver Tongue	7E20	9200	4/26	91	32.5	25.1	22.9	21.4*
Big Goose #2	7E32M	7700	4/30	30	8.8	12.2	12.6	9.8*
Bone Spring Divide ÷	7E18A	9200	4/27	81	27.8	21.8	22.8	20.1*a
Burgess R.S. #2	7E33P	7900	4/26	45	11.3	15.4	9.4	9.0*
Dome Lake #2	7E34A	8800	5/1	46	14.0	14.7	17.2	12.2*
Gloom Creek	7E14A	9300	4/28	67	20.8	20.3	14.9	16.7*
Granite Pass ÷	7E17P	8950	4/27	77	26.4	21.0	19.5	19.6*
North Tongue	7E15	8800	4/26	58	17.6	17.2	13.5	9.0*
Sibley Lake	7E11	8000	4/29	43	14.3	19.2	18.3	10.4*
Steamboat Point	7E10	7500	4/29	36	11.8	15.8	17.3	9.5*
Sucker Creek	7E12A	9000	4/28	64	20.9	22.1	16.0	14.5*
Wood Rock G.S.	7E13	8500	4/28	53	16.4	16.9	12.3	12.6*
<u>LOWER YELLOWSTONE - PORCUPINE CREEK</u>								
Five Springs Falls	7E31	7500	4/30	29	9.0	11.0	11.0	6.0*
Medicine Wheel	7E30	9000	4/26	72	25.6	21.5	21.4	17.0*
<u>LOWER YELLOWSTONE - POWDER RIVER</u>								
Middle Powder	7F2	7400	4/29	49	17.3	23.4	17.9	11.9*
Muddy Creek G.S.	6E2	7500	5/2	9	0.8	2.5	3.7	3.9*
Munkres Pass ÷	7E8	9700	5/3	44	12.6	15.2	12.4	9.6*
Onion Gulch ÷	7E27M	8100	5/1	36	12.1	12.7	9.3	9.3*
Soldier Park	7E5	8700	5/2	30	4.5	5.1	10.9	5.9*
Sour Dough	6E1	8500	5/3	21	5.0	6.4	8.6	6.4*
<u>NORTH PLATTE - SWEETWATER</u>								
Grannier Meadows	8G4	9000	5/2	52	17.7	15.3	16.0	13.6
Larsen Creek	9G6A	9000	4/29	44	19.3	9.7	12.8	8.5*
South Pass ÷	8G3MP	9000	5/2	57	21.4	15.1	15.4	14.5
<u>NORTH LARAMIE MOUNTAINS</u>								
Boxelder #2 ÷	5G1	7500	5/3	1	0.4	10.5	4.0	4.0*
Casper Mountain ÷	6G1MP	7940	4/30	39	13.8	27.6	14.9	12.9*
LaBonte ÷	5G2	8450	4/29	Trace		7.8	0.9	0.0*
<u>NORTH PLATTE - CROW CREEK</u>								
Pole Mountain #2 ÷	5H1	8700	5/3	Trace		6.3	T	1.9*

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1965

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			Date of Survey	1965		PAST RECORD		
				Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
						1964	1963	1948-62 Average
NORTH PLATTE - LARAMIE RIVER								
Albany ‡	6H11A	9400	4/28	51	17.3	12.5	10.4	11.0*
Brooklyn Lake #2	6H1MP	10200	4/27	78	28.1	22.7	19.2	24.4a
Cameron Pass ^C ‡	5J1	10285	4/29	79	34.3	32.2	19.8	28.1
Chambers Lake	5J2	9000	5/1	21	9.6	7.0	1.0	5.5
Deadman Hill ^C	5J6	10300	4/26	57	19.0	17.1	14.7	18.1
Evans ‡	6H15	9000	4/30	35	13.7	11.2	9.7	9.5*
Foxpark ‡	6H12P	9200	5/3	22	8.2	8.7	2.9	4.9
Hairpin Turn #3	6H2	9500	4/27	54	19.4	15.2	13.9	14.7a
LaBonte ‡	5G2	8450	4/29	Trace		7.8	0.9	0.0*
Libby Lodge	6H3	8700	4/27	37	10.2	10.7	18.4	8.4
Lost Lake ^C	5J23	9300	5/1	32	13.2	7.5	5.6	10.2
McIntyre ^C	5J15	9100	4/24	38	13.1	13.2	5.7	10.2
Pole Mountain #2 ‡	5H1	8700	5/3	Trace		6.3	T	1.9*
Roach ‡	6J12	9800	4/25	60	24.0	17.8	11.5	21.0
Rock Creek ‡	6H14	9800	5/2	57	29.9	33.7	28.7	

NORTH PLATTE - ABOVE SEMINOLE RESERVOIR

Albany ‡	6H11A	9400	4/28	51	17.3	12.5	10.4	11.0*
Bottle Creek	6H8	8200	4/29	38	15.8	14.4	10.8	11.1
Boxelder #2 ‡	5G1	7500	5/3	1	0.4	10.5	4.0	4.0*
Cameron Pass ^C ‡	5J1	10285	4/29	79	34.3	32.2	19.8	28.1
Casper Mountain ‡	6G1MP	7940	4/30	39	13.8	27.6	14.9	12.9*
Columbine ^C	6J3	9300	4/27	64	28.6	23.5	21.9	22.9
Deep Lake	6H17	10500	5/2	105	44.3			
Evans ‡	6H15	9000	4/30	35	13.7	11.2	9.7	9.5*
Foxpark ‡	6H12P	9200	5/3	22	8.2	8.7	2.9	4.9
LaBonte ‡	5G2	8450	4/29	Trace		7.8	0.9	0.0*
Moss Lake	6H16	9800	5/2	59	24.2			
North Barrett Creek	6H5AM	9400	4/29	62	23.9	25.6	18.2	20.4a
North French Creek	6H4AP	10200	4/29	87	36.1	39.4	29.7	32.7
Northgate ^C	6J7	8500	4/30	15	4.7	5.4	0.4	
Old Battle ‡	6H10P	9800	4/30	94	44.1	32.4	32.6	27.4*
Park View ^C	6J2	9200	4/28	28	8.7	5.5	1.0	6.7
Rabbit Ears ^C	6J9	9550	4/27	71	29.6	27.6	21.3	27.9
Roach ‡	6J12	9800	4/25	60	24.0	17.8	11.5	21.0
Rock Creek ‡	6H14	9800	5/2	57	29.9	33.7	28.7	
Ryan Park	6H6A	8400	4/29	30	12.0	14.2	3.4	3.8*
Webber Springs	6H9M	9000	4/29	51	21.8	17.3	17.6	15.8
Willow Creek Pass ^C	6J5	9500	4/28	37	12.5	8.3	5.5	12.0

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1965

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1965			PAST RECORD		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.)		
						1964	1963	1948-62 Average
<u>GREEN RIVER - ABOVE GREEN RIVER</u>								
Big Sandy Opening *	9G9P	9220	4/30	47	18.9	11.9	14.3	11.0*
Dutch Joe R.S.	9G5	8700	4/30	25	11.6	9.1	9.4	4.4a
East Rim Divide *	10F17MP	7950	5/2	31	12.2	7.9	9.1	10.2*
Elk Heart Park	9F23P	9400	5/1	57	21.9	15.6	14.5	14.0*
Gros Ventre *	10F19A	8750	5/3	42	17.2	10.1	12.1	11.2*
Kendall R.S. #1	10F15	7900	5/3	31	14.2	7.4	7.1	7.4*
Kendall R.S. #2	10F15	7900	5/3	31	15.2	8.8	11.4	6.1*
Loomis Park #1 *	10F16	8500	5/2	50	25.5	14.6	18.5	14.5*
Loomis Park #2 *	10F16	8500	5/2	55	26.6	16.0	19.8	11.9*
Mulligan Park	9G1	8900	5/1	28	11.5	10.8	9.7	7.7
New Fork Lake	9F21	8325	5/1	37	15.8	10.5	12.7	
North Horse Creek	10G16	8200	5/2	54	27.6	20.8	19.3	
Piney LaBarge #1	10G10	8820	4/30	52	25.0	19.1	20.0	15.1
Piney LaBarge #2	10G10	8820	4/30	60	30.5	24.7	23.6	18.5*
Pocket Creek	9G11	9360	5/1	42	17.1	13.0	12.2	12.8*
Poison Meadows *	10G6A	8500	4/30	93	41.8	31.0	30.7	30.9*
Snyder Basin #2	10G13MP	8040	4/30	41	21.0	15.9	16.3	11.0*
Soda Lake	10G14	8300	5/1	50	24.4	17.0	17.1	14.6*
South Pass *	8G3MP	9000	5/2	57	21.4	15.1	15.4	14.5
Triple Peaks	10G15	8500	5/1	79	39.4	27.5	26.4	25.8*
<u>GREEN RIVER - BELOW GREEN RIVER</u>								
Big Park *	10G11	8700	4/28	70	30.7	21.2	20.6	20.0*a
Black's Fork Jct. ^u	10J22	8925	4/21	39	14.9	10.1	8.3	
Buck Pasture ^u	10J23A	9700	No Report			N.R.	15.3e	
East Fork Black's Fk. ^u	10J21	9300	4/21	42	15.8	12.8	8.7	
Elk River ^c	6J4	8700	4/28	47	20.3	18.9	12.6	13.4
Henry's Fork ^u	10J24A	10200	No Report			N.R.	9.8e	
Hewinta R.S. ^u	10J4	9500	4/22	40	14.3	13.1	10.8	
Hickerson Park ^u	9J8	9100	No Report			8.8	3.0	
Kelly R.S.	10G12P	8200	4/28	66	28.6	19.4	16.3	15.9*
Lake Fork Basin ^u	10J25	11100	No Report			N.R.	17.6e	
Old Battle *	6H10P	9800	4/30	94	44.1	32.4	32.6	27.4*
Spirit Lake ^u	9J7	10300	4/23	53	17.9	17.9	9.8	
<u>SNAKE RIVER - ABOVE JACKSON LAKE</u>								
Grassy Lake	10E15MP	7265	4/29	77	39.2	32.8	28.7	33.1*
Lewis Lake Divide	10E9	7900	4/29	115	56.3	37.2	35.4	37.1*

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1965

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1965			PAST RECORD		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.) 1948-62		
						1964	1963	Average

JACKSON LAKE TO PALISADES

Afton R.S.	10G4	6200	5/1	0	0.0	0.0	0.0	0.0
Bryan Flat	10F14	6250	4/29	8	3.5	4.7	0.0	2.0*
Blind Bull Summit ‡	10G2A	8750	No Report			N.R.	12.5e	
CCC Camp ‡	10G7	7500	4/29	20	8.7	12.3	7.8	4.6*
East Rim Divide ‡	10F17MP	7950	5/2	31	12.2	7.9	9.1	10.2*
Grey's Boundary	10F18	5800	4/29	0	0.0	9.7	T	0.9*
Gros Ventre ‡	10F19	8750	5/3	42	17.2	10.1	12.1	11.2*
Grover Park Divide	10G3	7500	4/29	18	8.5	13.4	12.1	8.1*
Loomis Park #1 ‡	10F16	8500	5/2	50	25.5	14.6	18.5	14.5*
Loomis Park #2 ‡	10F16	8500	5/2	55	26.6	16.0	19.8	11.9*
Poison Meadows ‡	10G6A	8500	4/30	93	41.8	31.0	30.7	30.9*
Salt River Summit ‡	10G8MP	7900	4/29	37	17.8	16.3	14.2	9.8*
Snow King Mtn. #3	10F20M	7600	4/30	35	15.2	12.6	12.9	9.4*
Teton Pass #2	10F13	8500	4/30	96	43.6	N.R.	29.8	37.8*
Togwotee Pass ‡	10F9MP	9600	4/29	92	44.0	33.4	31.7	33.7
Cottonwood Lake	10G5A	7500	No Report			N.R.	12.5e	

BEAR RIVER

Big Park ‡	10G11A	8700	4/28	70	30.7	21.2	20.6	20.0*e
CCC Camp ‡	10G7	7500	4/29	20	8.7	12.3	7.8	4.6*
Goodman Ranch ^u	10J6	7900	4/23	10	4.7	2.8	0.0	0.0*
Hayden Fork ^u	10J7	9300	4/23	56	22.8	18.0	17.6	17.7*
Kelly R.S.	10G12P	8200	4/28	66	28.6	19.4	16.3	15.9*
Monte Cristo ^u	11H12	8960	4/28	74	32.6	27.1	27.3	26.2*
Poison Meadows ‡	10G6	8500	4/30	93	41.8	31.0	30.7	30.9*
Salt River Summit ‡	10G8MP	7900	4/29	37	17.8	16.3	14.2	9.8*
Steel Creek Park ^u	10J20A	9900	4/22	68	25.4	17.6	13.0	
Still Water Camp ^u	10J17	8550	4/23	36	13.9	11.2	8.0	7.5*
Trial Lake ^u	10J8	9800	4/28	72	38.8	24.9	28.2	30.9*

MISSOURI - BELLE FOURCHE

Bearlodge Divide	4E2P	4580	4/30	0	0.0	0.0	
Reuter Canyon			No Report				
Warren Peak	4E1P	6400	4/30	0	0.0	24.7	

c Colorado snow courses.
m Montana snow courses.
u Utah snow courses.
* Average does not contain
15 years of record.

A Aerial stadia marker.
M Soil moisture stack.
P Pearson Precipitation gage.
a Average partially estimated.
e Water content estimated.

WYOMING MOUNTAIN PRECIPITATION FOR APRIL 1965

Drainage Basin and Precipitation Gage	Elevation	Date of Survey	Precip. (In.)	1948-62 Average
<u>UPPER YELLOWSTONE RIVER</u>				
Lake Camp	7850	4/29	2.6	
<u>LOWER YELLOWSTONE RIVER</u>				
Burgess Junction	7900	4/30	2.0	
Dennison Mountain *		4/30	1.2	
Powder River Pass *	9400	4/27	2.2	
South Pass *	9000	5/2	3.5	
Togwotee Pass *	9600	4/29	4.6	
<u>NORTH PLATTE</u>				
Brooklyn Lake #2 *	10200	4/27	4.2	
Buffalo Pass	10000	5/4	3.0	
Casper Mountain *	7940	5/1	2.8	
Chambers Lake	9000	5/1	4.1	
Foxpark	9200	4/30	2.2	
North French Creek	10200	4/29	2.5	
Old Battle *	9800	4/30	7.4	
Pole Mountain #2 *	8700	5/3	2.7	
South Pass *	9000	5/2	3.5	
Valley View	8000	5/4	1.6	
Willow Creek	9500	4/28	2.0	
<u>GREEN RIVER</u>				
Big Sandy Opening *	9220	4/30	2.5	
East Rim Divide *	7950	5/2	1.5	
Elk Heart Park *	9400	5/1	3.1	
Snyder Basin *	8040	4/30	1.8	
South Pass *	9000	5/2	3.5	
<u>SNAKE RIVER</u>				
East Rim Divide *	7950	5/2	1.5	
Grassy Lake *	7265	4/29	5.7	
Lewis Lake Divide *	7900	4/29	8.0	
Moran	6500	4/30	3.2	
Salt River Summit *	7900	4/30	1.8	
Snake River Station	6780	4/29	3.4	
Togwotee Pass *	9600	4/29	4.6	

WYOMING MOUNTAIN PRECIPITATION FOR APRIL 1965

Drainage Basin and Precipitation Gage	Elevation	Date of Survey	Precip. (In.)	1948-62 Average
<u>BEAR RIVER</u>				
Kelly R.S. *	8200	4/28	3.4	
Salt River Summit *	7900	4/30	1.8	
<u>BELLE FOURCHE</u>				
Bear Lodge Divide	4580	5/1	2.5	

* USDA, Soil Conservation Service Pearson Precipitation Gages.

STATUS OF RESERVOIR STORAGE - MAY 1, 1965

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE STORAGE - 1000			Acre Feet
			1965	1964	1963	1948-62 Average
Snake River	Jackson	847.0	401.0	635.4	631.0	422.9
Snake River	Palisades	1,202.0	315.0	821.5	1191.0	777.2
Snake River	Grassy Lake	15.2	12.6	9.4		12.4a
North Platte	Seminole	1,011.6	90.2	119.6	372.0	431.3
North Platte	Pathfinder	1,016.0	143.2	226.2	452.0	627.7
North Platte	Guernsey	44.8	36.3	35.2	30.0	26.8
North Platte	Alcova**	30.3	25.6	27.4	25.6	18.5
North Platte	Glendo	786.3	427.0	434.2	423.0	370.8*
Laramie River	Wheatland	98.9	17.6	N.R.	64.0	35.6*
Belle Fourche	Keyhole	190.3	129.3	76.9	68.0	13.8*
Shoshone River	Buffalo Bill	373.1	117.3	97.9	134.0	135.2
Wind River	Boysen	560.0	223.7	238.7	331.0	169.1*
Wind River	Pilot Butte	31.6	30.8	30.6	30.2	24.2
Wind River	Bull Lake	152.0	44.5	88.7	90.8	51.5
Wind River	Sunshine	53.0	N.R.	N.R.	51.5	
Green River	Big Sandy	38.3	10.5	14.8	12.1	13.5*
Big Horn River	Anchor	17.3	-0.2			0.2

* Average is for less than 15 years of record in the 1948-62 period.

** Alcova, downstream from Seminole and Pathfinder, includes 160,170 acre feet of storage that is unavailable to the Kendrick Project.

ORIGINAL ARTICLES						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	35
36	37	38	39	40	41	42
43	44	45	46	47	48	49
50	51	52	53	54	55	56
57	58	59	60	61	62	63
64	65	66	67	68	69	70
71	72	73	74	75	76	77
78	79	80	81	82	83	84
85	86	87	88	89	90	91
92	93	94	95	96	97	98
99	100	101	102	103	104	105
106	107	108	109	110	111	112
113	114	115	116	117	118	119
120	121	122	123	124	125	126
127	128	129	130	131	132	133
134	135	136	137	138	139	140
141	142	143	144	145	146	147
148	149	150	151	152	153	154
155	156	157	158	159	160	161
162	163	164	165	166	167	168
169	170	171	172	173	174	175
176	177	178	179	180	181	182
183	184	185	186	187	188	189
190	191	192	193	194	195	196
197	198	199	200	201	202	203
204	205	206	207	208	209	210
211	212	213	214	215	216	217
218	219	220	221	222	223	224
225	226	227	228	229	230	231
232	233	234	235	236	237	238
239	240	241	242	243	244	245
246	247	248	249	250	251	252
253	254	255	256	257	258	259
260	261	262	263	264	265	266
267	268	269	270	271	272	273
274	275	276	277	278	279	280
281	282	283	284	285	286	287
288	289	290	291	292	293	294
295	296	297	298	299	300	301
302	303	304	305	306	307	308
309	310	311	312	313	314	315
316	317	318	319	320	321	322
323	324	325	326	327	328	329
330	331	332	333	334	335	336
337	338	339	340	341	342	343
344	345	346	347	348	349	350
351	352	353	354	355	356	357
358	359	360	361	362	363	364
365	366	367	368	369	370	371
372	373	374	375	376	377	378
379	380	381	382	383	384	385
386	387	388	389	390	391	392
393	394	395	396	397	398	399
400	401	402	403	404	405	406
407	408	409	410	411	412	413
414	415	416	417	418	419	420
421	422	423	424	425	426	427
428	429	430	431	432	433	434
435	436	437	438	439	440	441
442	443	444	445	446	447	448
449	450	451	452	453	454	455
456	457	458	459	460	461	462
463	464	465	466	467	468	469
470	471	472	473	474	475	476
477	478	479	480	481	482	483
484	485	486	487	488	489	490
491	492	493	494	495	496	497
498	499	500	501	502	503	504
505	506	507	508	509	510	511
512	513	514	515	516	517	518
519	520	521	522	523	524	525
526	527	528	529	530	531	532
533	534	535	536	537	538	539
540	541	542	543	544	545	546
547	548	549	550	551	552	553
554	555	556	557	558	559	560
561	562	563	564	565	566	567
568	569	570	571	572	573	574
575	576	577	578	579	580	581
582	583	584	585	586	587	588
589	590	591	592	593	594	595
596	597	598	599	600	601	602
603	604	605	606	607	608	609
610	611	612	613	614	615	616
617	618	619	620	621	622	623
624	625	626	627	628	629	630
631	632	633	634	635	636	637
638	639	640	641	642	643	644
645	646	647	648	649	650	651
652	653	654	655	656	657	658
659	660	661	662	663	664	665
666	667	668	669	670	671	672
673	674	675	676	677	678	679
680	681	682	683	684	685	686
687	688	689	690	691	692	693
694	695	696	697	698	699	700
701	702	703	704	705	706	707
708	709	710	711	712	713	714
715	716	717	718	719	720	721
722	723	724	725	726	727	728
729	730	731	732	733	734	735
736	737	738	739	740	741	742
743	744	745	746	747	748	749
750	751	752	753	754	755	756
757	758	759	760	761	762	763
764	765	766	767	768	769	770
771	772	773	774	775	776	777
778	779	780	781	782	783	784
785	786	787	788	789	790	791
792	793	794	795	796	797	798
799	800	801	802	803	804	805
806	807	808	809	810	811	812
813	814	815	816	817	818	819
820	821	822	823	824	825	826
827	828	829	830	831	832	833
834	835	836	837	838	839	840
841	842	843	844	845	846	847
848	849	850	851	852	853	854
855	856	857	858	859	860	861
862	863	864	865	866	867	868
869	870	871	872	873	874	875
876	877	878	879	880	881	882
883	884	885	886	887	888	889
890	891	892	893	894	895	896
897	898	899	900	901	902	903
904	905	906	907	908	909	910
911	912	913	914	915	916	917
918	919	920	921	922	923	924
925	926	927	928	929	930	931
932	933	934	935	936	937	938
939	940	941	942	943	944	945
946	947	948	949	950	951	952
953	954	955	956	957	958	959
960	961	962	963	964	965	966
967	968	969	970	971	972	973
974	975	976	977	978	979	980
981	982	983	984	985	986	987
988	989	990	991	992	993	994
995	996	997	998	999	1000	1001

CONTENTS

ORIGINAL ARTICLES

THE JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION

PUBLISHED WEEKLY CHICAGO, ILL., MAY 11, 1916

Vol. 16, No. 20

Price, Five Cents

Subscription Price, \$5.00 per Annum in Advance

Single Copies, 15 Cents

Entered as Second-Class Matter, May 26, 1911, Post Office at Chicago, Ill., under No. 100,000

Acceptance for mailing at special rate of postage provided for in Act of October 3, 1917, authorized on May 11, 1916

Postpaid

Copyright, 1916, by American Medical Association

Printed at the Chicago Press and Publishing Co., Chicago, Ill.

STATUS OF RESERVOIR STORAGE - MAY 1, 1965

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE STORAGE - 1000			Acre Feet
			1965	1964	1963	1948-62 Average
Kansas Basin	Bonny ^c	39.9	29.3	39.9	41.2	37.9*
Kansas Basin	Swanson Lake ⁿ	116.1	106.8	115.9	116.0	89.9*
Kansas Basin	Enders ⁿ	36.0	31.7	34.0	35.3	35.6*
Kansas Basin	Harry Strunk ⁿ	32.2	32.0	33.4	34.3	32.4*
Kansas Basin	Harlan County ⁿ	341.4	254.9	298.0	349.0	173.8*
Kansas Basin	Cedar Bluff ^k	176.8	150.6	169.3	172.0	141.6*
Kansas Basin	Lovewell ^k	36.6	42.9	43.9	27.3	31.2*
Kansas Basin	Kirwin ^k	88.8	54.8	80.2	99.0	56.8*
Kansas Basin	Webster ^k	64.9	38.2	64.7	65.0	50.9*
Kansas Basin	Kanopolis ^k	47.3	51.7	49.6	48.1	55.5*

SOUTH DAKOTA

Belle Fourche	Belle Fourche	185.2	182.7	155.8	182.0	103.9
Cheyenne River	Angostura	90.2	68.2	77.9	90.0	45.0*
Cheyenne River	Deerfield	15.1	15.0	15.0	9.0	11.2
Cheyenne River	Pactola	55.0	54.5	54.6	33.0	16.6*
Grand River	Shadehill	84.0	83.8	28.2	59.0	77.7*

* Less than 15 years of record in the 1948-62 period.

c Reservoirs located in Colorado

k Reservoirs located in Kansas

n Reservoirs located in Nebraska

Agencies Cooperating in Wyoming Snow Surveys

FEDERAL

U.S. Department of Agriculture
Forest Service
Soil Conservation Service

U.S. Department of Commerce
Weather Bureau

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE

State Engineer of Wyoming

PRIVATE

Irrigation Districts
Wheatland Irrig. Dist.
Greybull Valley Irrig. Dist.

Soil and Water Conservation Districts
Bridger Valley SWCD
Clouds Peak SWCD
Cody SWCD
Dubois-Crowheart SWCD
Greybull Valley SWCD
Lake DeSmet SWCD
Laramie Rivers SWCD
Little Snake River SWCD
Medicine Bow SWCD
Pavillion and Wind River SWCD
Pinedale SWCD
Powder River SWCD
Powell-Clarks Fork SWCD
S and E SWCD
Shell Valley SWCD
Shoshone SWCD
Tongue River SWCD
Washakie SWCD
Wheatland SWCD

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

P. O. Box 340

CASPER, WYOMING 82602

OFFICIAL BUSINESS

U. S. DEPARTMENT OF AGRICULTURE
POSTAGE AND FEES PAID

FIRST CLASS MAIL

U S Department of Agriculture
Library Current Serial Record
Washington, D.C. 20250

(2)

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*